

Title (en)

METHOD FOR FABRICATING FLATTENED TUBE FINNED HEAT EXCHANGER

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES RIPPENWÄRMETAUSCHERS MIT ABGEFLACHTEM ROHR

Title (fr)

PROCÉDÉ DE FABRICATION D'ÉCHANGEUR DE CHALEUR À AILETTES ET À TUBES APLATIS

Publication

EP 2810014 A2 20141210 (EN)

Application

EP 13703273 A 20130129

Priority

- US 201261593998 P 20120202
- US 2013023532 W 20130129

Abstract (en)

[origin: WO2013116177A2] A method is disclosed for assembling a flattened tube multiple tube bank heat exchanger that includes a first tube bank and a second tube bank, each bank including a plurality tube segments extending longitudinally in spaced parallel relationship. A spacer clip is installed on a longitudinally extending edge of each heat exchange tube segment arrayed in a first layer of tube segments. A plurality of heat exchange tube segments are arrayed in a second layer in engagement with the spacer clips installed on the tube segments of the first layer.

IPC 8 full level

F28F 9/013 (2006.01); **F28D 1/053** (2006.01)

CPC (source: CN EP US)

B21C 37/06 (2013.01 - US); **F28D 1/053** (2013.01 - CN); **F28D 1/05391** (2013.01 - EP US); **F28F 1/128** (2013.01 - EP US); **F28F 9/013** (2013.01 - CN); **F28F 9/0131** (2013.01 - EP US); **F28F 9/0132** (2013.01 - EP US); **F28F 17/005** (2013.01 - EP US); **F28D 2021/0068** (2013.01 - EP US); **F28F 2240/00** (2013.01 - EP US); **Y10T 29/49359** (2015.01 - EP US)

Citation (search report)

See references of WO 2013116177A2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2013116177 A2 20130808; **WO 2013116177 A3 20140103**; CN 104081149 A 20141001; CN 104081149 B 20170517; CN 107091588 A 20170825; CN 107091588 B 20191101; EP 2810014 A2 20141210; EP 2810014 B1 20171213; ES 2662491 T3 20180406; US 2015000133 A1 20150101; US 9901966 B2 20180227

DOCDB simple family (application)

US 2013023532 W 20130129; CN 201380007735 A 20130129; CN 201710238958 A 20130129; EP 13703273 A 20130129; ES 13703273 T 20130129; US 201314376205 A 20130129